

Appl. No. 09/981,789
Amtd. Dated July 2, 2003
Reply to Office action of April 2, 2003
Attorney Docket No. P13685/000500-319
EUS/J/P/03-1051

Listing of Claims:

ALL

1. (Currently Amended) A device (1) for transmitting or receiving electromagnetic waves in a cavity (3), comprising a loop (10) and a dielectric part (9) that houses at least a first end part (11) of the loop (10), where the dielectric part (9) defines a first recess (37) arranged to receive a means (30) for setting the capacitance between the loop (10) and ~~an earthed a grounded~~ casing (2), cavity housing (5) or cover (6) and where the loop (10) is embedded in the dielectric part (9) at the first end part (11), and wherein the loop (10) comprises a flat section that is designed for a predetermined frequency.
- 2 -4. (Cancelled).
5. (Currently Amended) A device (1) according to Claim 3 1, where the dielectric part (9) comprises a bottom surface of the first recess, ~~which~~ said bottom surface covers the flat section from a first direction, in order to prevent the means (30) for setting the capacitance ^{from} ~~coming~~ into galvanic contact with the loop (10) and to prevent electrical flash-over between the loop (10) and the means (30) for setting the capacitance.
6. (Currently Amended) A device (1) according to Claim 5, where the dielectric part (9) comprises a second recess (48) essentially reversed in relation on an opposite side of the dielectric part to the first recess (37), with a bottom surface that covers the flat section from an opposite direction to the first direction.

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7. (Original) A device (1) according to Claim 1, where the first end part (11) has an essentially straight longitudinal axis and the first recess (37) is turned essentially at the right angles to this longitudinal axis.

8. (Cancelled).

9. (Currently Amended) A device (1) according to Claim 1, comprising at least one rib (40) that is inserted in the first recess (37) to make contact with the means (30) for setting the capacitance.

10. (Original) A device (1) according to Claim 1, comprising at least one stop pin (41) projecting into the first recess (37) in order to prevent the means (30) for setting the capacitance from coming into galvanic contact with the loop (10) and to prevent electrical flash-over between the loop (10) and the means (30) for setting the capacitance.

11. (Original) A device (1) according to Claim 1, where the dielectric part (9) houses a second end part (13) of the loop (10).

12. (Original) A device (1) according to Claim 11, where the second end part (13) is substantially parallel to the first end part (11).

13. (Original) A device (1) according to Claim 11, where at least one of the first end part (11) and the second end part (13) is milled in order to provide good fixing of the loop (10) in the dielectric part (9).
Securely fix

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14. (Currently Amended) A device (1) according to Claim 11, where the dielectric part (9) is designed to provide a particular impedance to the earthed grounded casing (2), cavity housing (5) or cover (6), together with the loop (10).

15. (Original) A device (1) according to Claim 1, where the dielectric part (9) comprises a locking device (23).

16. (Currently Amended) A device (1) according to Claim 1, where the dielectric part (9) comprises a [fixing] hole (29) designed to receive [a] ^{on} fixing element for fixing the device (1) to a the casing (2), cavity housing (5) or cover (6). to securely fix

17. (Original) A device (1) according to Claim 1, where the dielectric part (9) comprises at least one second recess (38).

18 - 24. (Cancelled).